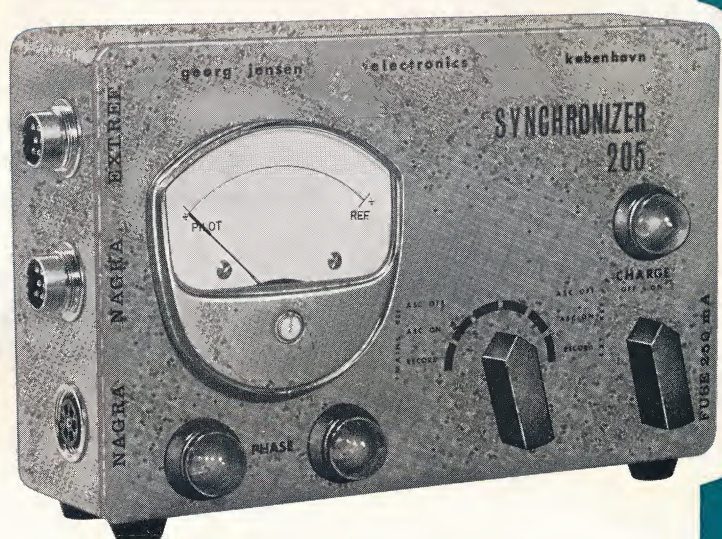


# SYNCHRONIZER 205



## GENERAL DESCRIPTION

Synchronizer Type 205 is to be connected between the Nagra III NP and the mains (or other reference frequency).

In playing-back, Type 205 will compare the frequency of the pilot signal received from the Nagra with that of the mains, and it will automatically modify the speed of the Nagra, so that these frequencies will be exactly identical. In this way a perfect synchronism is achieved irrespective of the duration of the recordings

Synchronizer Type 205 further functions as pilot signal source, power supply and battery charger for the Nagra.

Type 205 functions on all normally occurring mains voltages, but can also be operated by the batteries in the Nagra.

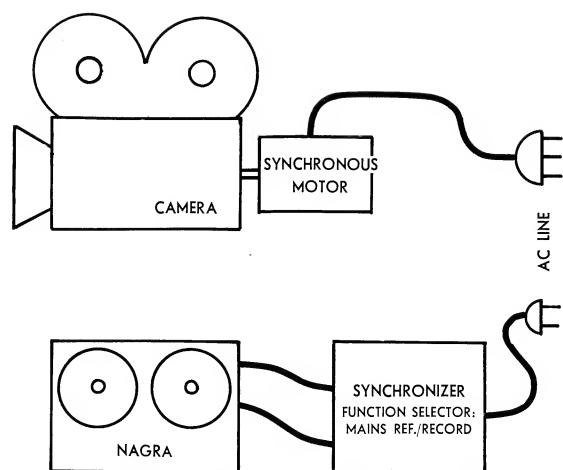
## MAIN SELECTOR SWITCH:

MAINS REF.	Record	: Pilot signal is supplied to the Nagra III NP from the mains. (See examples 1 and 4)
	Asc*) on	: Comparison of pilot signal played-back from the Nagra III NP with mains frequency. Automatic correction of tape speed. Perfect synchronism is achieved. (Examples 3 and 5)
	Asc off	: Comparison of pilot signal with mains frequency. No interference with tape speed.
EXT. REF.	Asc off	: Comparison of pilot signal with other external reference frequency, which may originate from a „Pilotton generator“ in a camera. (Connected to the multiple plug labelled „EXT. REF.“ — pins 1 + 2)
	Asc on	: Comparison of pilot signal with other external reference frequency — see the above position of the selector switch. Automatic correction of tape speed. (Example 6)
	Record	: Pilot signal can be recorded via the multiple plug labelled „EXT. REF“.

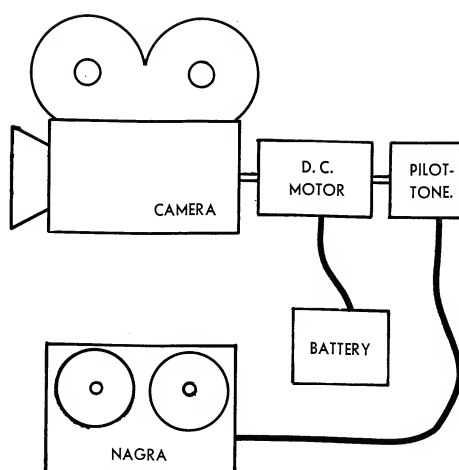
\*) : Automatic speed correction

Since the speed of the Nagra is adjustable only within limits, it may be necessary to change the tape speed by turning the adjustable coil inside the recorder. Two coils are provided, one for 15 in., and one for 7.5 in. By turning the relevant coil, the speed of the recorder is adjusted until the instrument pointer of the synchronizer moves as slowly as possible. During this procedure the selector switch must be in the „ASC OFF“ position.

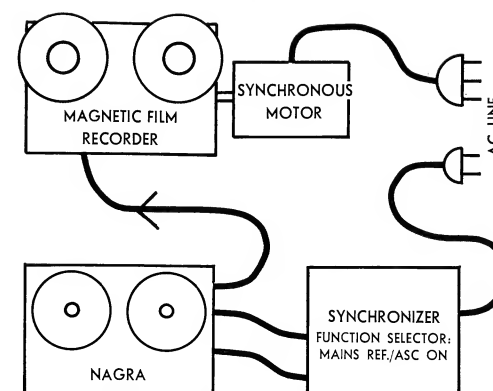
On switching over to „ASC ON“ the pointer must come to a standstill, and not move from side to side.



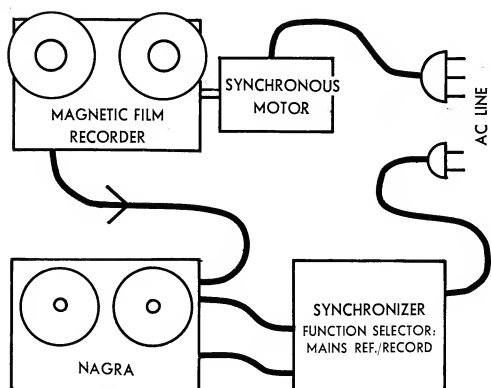
Example 1: Shooting picture with sound by mains operation.



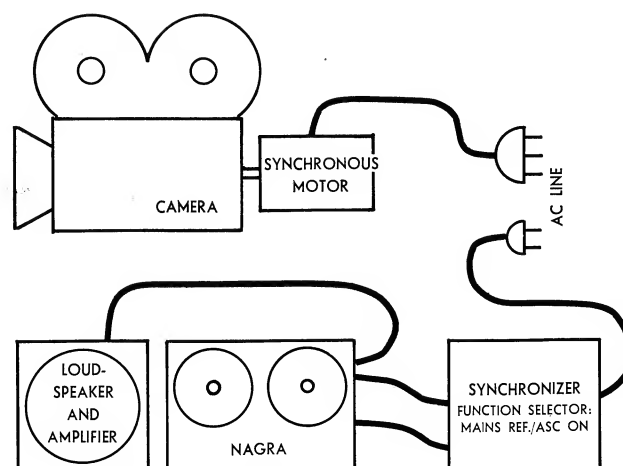
Example 2: Shooting picture with sound by battery operation.



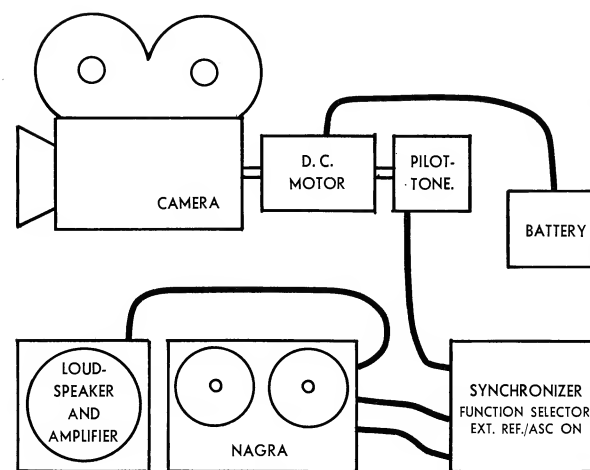
Example 3: Transferring of sound from Nagra III NP to perforated tape.



Example 4: Transferring of sound from perforated tape to Nagra III NP.



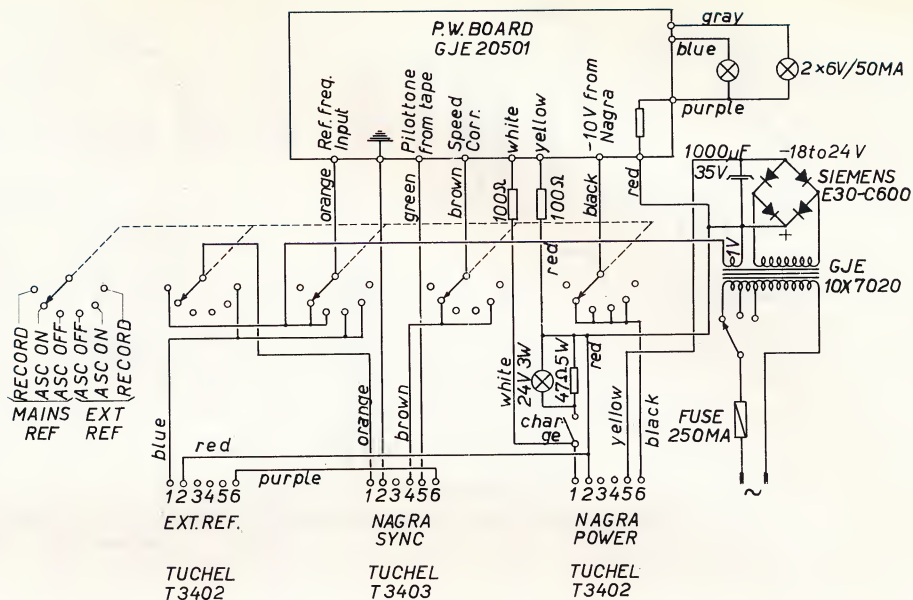
Example 5: Play-back synchronized with camera by mains operation.



Example 6: Play-back synchronized with camera by battery operation.



# georg jensen electronics



Schematic diagram.

Line voltage: 110 - 127 - 220 - 240 V/AC

Fuse : 250 mA

Indicator lamp

-PHASE : 6 V/50 mA

Indicator lamp

-CHARGE : 24 V/3 W

Dimensions : 210 x 125 x 80 mm



Extra equipment:

Leather case

internally

covered with felt.

Distributor: